

# NEMA VERTICAL QUICK PICK MODIFIABLE MOTORS

NEMA®†

ITEM	PG.	NOTE	DESCRIPTION	FRAME SIZE							
				182 184	213 215	254 256	284 286	324 326	364 365	404 405	444 447
1	M-4		Aerator Duty	Add 15% to N. Thrust List							
2	M-4	(1)	Altitude (≤9900 ft)	\$164	\$197	\$261	\$434	\$570	\$732	\$1,063	\$1,498
3	M-5	(1)	Ambient (≤65°C)	\$164	\$197	\$261	\$434	\$570	\$732	\$1,063	\$1,498
3A	M-5		Arctic Duty	Add 25% to TEFC							
4	M-6		Balance - Normal Thrust	\$141	\$141	\$141	\$141	\$202	\$202	\$202	\$202
			Balance - High Thrust	\$282	\$282	\$282	\$282	\$404	\$404	\$404	\$404
6	M-10 M-11		Bearings								
			- 175% EHT	N/A	N/A	N/A	N/A	4%	4%	4%	4%
			- 300% EHT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	7.5%
			- Insulated (Upper)	\$550	\$850	\$1,200	\$1,500	\$1,500	\$1,500	\$1,500	\$1,500
			- Insulated (Both)	\$1,100	\$1,700	\$2,400	\$3,000	\$3,000	\$3,000	\$3,000	\$3,000
8	M-12 M-13 M-14		Conduit Box - Accessory	N/A				\$901	\$901	\$901	\$901
			- Cast Iron	Use CORRO-DUTY®				\$293	\$469	\$587	\$704
			- Oversize	\$178	\$178	\$178	\$178	\$178	\$178	\$178	\$704
			- NEMA® 4X Epoxy Coated	\$352	\$469	\$587	\$704	\$822	\$939	\$1,056	\$1,174
			- Ground Lug In OB	\$108	\$108	\$108	\$108	\$108	\$108	\$108	\$108
11	M-21		Drain & Br. - TEFC	\$178	\$178	\$178	\$418	\$418	\$418	\$418	\$418
			- Hazardous Location	\$270	\$270	\$270	\$634	\$634	\$634	\$634	\$634
13	M-26 M-27		CORRO-DUTY®	Add 10% to Base TEFC							
			841 PLUS® Modifications	\$1,000	\$1,500	\$2,000	\$2,500	\$3,900	\$4,734	\$5,666	See Page M-27
13H	M-26		Heavy Duty TEFC	Add 5% to Base TEFC List							
14	M-28		Export Boxing	6% But Not Less Than \$150 Net							
15	M-29	(1)	Frequency - 50Hz	Add 10% to Base 60 Hz List to Keep STD S.F.							
18	M-30 M-32		- Insulation - Class H	\$175	\$211	\$277	\$462	\$607	\$779	\$1,125	See Page M-30
			- INS 2000	\$80	\$127	\$162	\$270	\$345	\$425	\$570	\$742
			- VPI 1000	Not Available				\$1,714	\$2,019	\$2,847	\$3,887
			- VPI 2000	Not Available				\$3,427	\$4,038	\$5,695	\$7,775
			- Abrasion Resist	\$80	\$127	\$162	\$270	\$345	\$425	\$570	\$742
19	M-34	(1)	Inverter Duty	Premium Efficiency Base List Add 7.5%							
22	M-35	(1)	Multispeed	For Constant Torque See Mod. Section							
		(1)	- Var TQ 2 SP/1WDG	45%							
		(1)	- Var TQ 2 SP/2WDG	130%							
23	M-37		Special Nameplate	\$340	\$340	\$340	\$340	\$340	\$340	\$340	\$340
			Rotational Arrow	\$47	\$47	\$47	\$47	\$47	\$47	\$47	\$47
26	M-40		Oil Sump Heaters	N/A	N/A	N/A	N/A	\$469	\$469	\$563	\$563

**NOTE:** This is a condensed version of the complete modification section used to qualify the availability of these options.

(1) Will likely change performance characteristics and/or frame size of certain product.

(2) Add thermal protection (thermostats, etc.) per item 50 if required by customer.



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NEMA®†

ITEM	PG.	NOTE	DESCRIPTION	FRAME SIZE							
				182 184	213 215	254 256	284 286	324 326	364 365	404 405	444 447
29	M-42		Paint - Primer Only	No Charge for STD Primer Only							
			Special Paint	\$352	\$469	\$587	\$704	\$822	\$939	\$1,056	\$1,174
35	M-48		Stainless Steel Screens	\$469	\$469	\$469	\$528	\$763	\$1,115	\$1,115	\$1,761
36	M-48		Seals - Shaft Slinger	\$141	\$141	\$200	\$200	\$270	\$270	\$340	\$376
			- Lip Seal	\$141	\$200	\$200	\$200	\$270	\$270	\$340	See Page M-48
			- INPRO/SEAL®†	\$352	\$352	\$587	\$822	\$822	\$1,056	\$1,291	See Page M-48
			- INPRO/SEAL®† - MGS	\$1,056	\$1,056	\$1,761	\$2,466	\$2,466	\$3,168	\$3,873	See Page M-48
37	M-49	(1),(2)	Service Factor	\$352	\$469	\$587	\$728	\$939	\$1,878	\$2,559	\$3,150
38	M-50	(2)	Shaft Ground Ring - AEGIS®† SGR®†	\$350	\$350	\$510	\$550	\$710	\$710	\$1,115	\$1,291
			INPRO/SEAL®† CDR®†	\$350	\$350	\$510	\$550	\$710	\$710	\$1,115	\$1,291
40	M-51		Space Heater TEFC / WPI	\$300	\$300	\$300	\$300	\$385	\$385	\$385	\$385
			Space Heater Haz. Loc.	\$601	\$601	\$601	\$601	\$770	\$770	\$770	\$770
42	M-53		Stainless Steel Hardware	\$282	\$282	\$282	\$282	\$528	\$528	\$528	\$528
43B	M-55		Connection-PWS	N/A	N/A	\$99	\$131	\$202	\$291	\$451	N/C
			- WYE Delta	\$99	\$99	\$99	\$131	\$202	\$291	\$451	N/C
44	M-59		Bushings - Steady	\$202	\$202	\$202	\$202	\$300	\$300	\$300	\$300
46	M-62		Temp Rise - Class B @ 1.15 SF	\$164	\$469	\$469	\$728	\$939	\$1,878	\$2,559	\$3,521
			- Class A	Price as Premium Efficiency Plus 7%							
48	M-65		- Testing - S.C.T.	\$235	\$235	\$235	\$235	\$235	\$235	\$235	\$235
			- Witnessed S.C.T	\$675	\$675	\$675	\$675	\$675	\$675	\$675	\$675
			- Complete I. Test	\$1,385	\$1,385	\$1,385	\$1,385	\$2,136	\$2,770	\$3,263	\$4,531
			- Witnessed C.I.T.	\$2,113	\$2,113	\$2,113	\$2,113	\$3,263	\$4,155	\$4,906	\$6,784
			- Noise Test	\$1,502	\$1,502	\$1,502	\$1,502	\$1,502	\$1,878	\$2,113	\$2,347
			- Witnessed Noise	\$2,254	\$2,254	\$2,254	\$2,254	\$2,254	\$2,817	\$3,169	\$3,521
49	M-69		Bearing RTD 10 or 120 ohm	Not Available				\$1,340	\$1,340	\$1,340	\$1,340
			Bearing RTD 100 ohm - Std.	Not Available				\$2,150	\$2,150	\$2,150	\$2,150
49B	M-70 M-71 M-72 M-73		Winding Thermostats	\$89	\$89	\$89	\$146	\$207	\$308	\$308	\$308
			THERMA SENTRY® SMSE	\$1,410	\$1,410	\$1,410	\$1,410	\$1,410	\$1,410	\$1,410	\$1,410
			THERMA SENTRY® MMSE	Not Available							\$2,880
			Winding Thermistors	\$472	\$472	\$472	\$669	\$669	\$876	\$876	\$876
			Winding RTD 10 or 120 ohm	Not Available				\$2,545	\$2,545	\$2,545	\$2,545
			Winding RTD 100 ohm - Std.	Not Available				\$3,825	\$3,825	\$3,825	\$3,825
50	M-74 M-75		Special Mounting Tolerance	\$704	\$704	\$704	\$704	\$939	\$1,232	\$1,408	\$1,761
			API-610 Tolerances	\$939	\$939	\$939	\$939	\$1,291	\$1,643	\$1,878	\$2,347
53	M-78	(1)	Voltage Special	600 Volts or Less Add 4% to List							

**NOTE:** This is a condensed version of the complete modification section used to qualify the availability of these options.  
(1) Will likely change performance characteristics and/or frame size of certain products.

(2) Refer to page M-49 item 38 for details of this price adder.  
(3) WPI Only



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# TITAN® VERTICAL QUICK PICK MODIFIABLE MOTORS

**TITAN®**

				FRAME SIZE LIST PRICE ADDER					
ITEM	PG.	NOTE	DESCRIPTION	449	5000	5800	6812 (TE)	6800-8000	9600
2	M-4	(1)	Altitude (≤9900 ft)	\$4,068	6%	6%	6%	6%	6%
3	M-5	(1)	Ambient (≤65°C) O/E	\$4,068	12%/6%	12% / 6%	12%	15%	15%
4	M-6		Balance Special	\$1,467	\$1,467	\$4,354	\$4,354	\$5,444	\$5,444
5	M-7	(1), (3)	Base Diameters	\$3,756	\$3,756	\$5,634	\$7,518	See Page 114	
6	M-11 M-10	(1), (2), (3)	Bearings - Spare set	Add 7% to Base List Price					
			- 175% EHT	4%	4%	4%	4%	4%	4%
			- 300% EHT	7.5%	7.5%	7.5%	7.5%	7.5%	7.5%
			- Insulated (Upper only)	\$1,800	N/C	N/C	N/C	N/C	N/C
			- Insulated (both)	\$3,600	\$2,400	\$2,400	\$3,000	\$3,000	\$3,000
			- Water cooling coils	5% / 7.5% When Not Standard					
7	M-12		Buss Bar	\$4,178	\$4,178	\$4,178	\$4,178	\$4,178	\$4,178
8	M-15 M-16 M-17 M-18 M-19		Conduit Box - Accessory	\$1,127	\$1,127	\$1,127	\$1,127	\$1,127	\$1,127
			- Ground Lug or Servit Post	\$164	\$164	\$164	\$164	\$164	\$164
			- Lead Positioning Gasket	\$223	\$223	\$223	\$223	\$223	\$223
			- NEMA Type II	See Page M-18					
			- Oversized	See Page M-16					
10	M-20		Current Transformer	See Page M-20					
11	M-21		Drain & Breather - TEFC	\$178	\$178	\$178	\$178	N/A	N/A
			- Hazardous Location	\$270	\$270	\$270	N/A	N/A	N/A
13	M-26 M-27		CORRO-DUTY® - Basic	6%	6%	6%	N/A	N/A	N/A
			Basic Plus Cast Iron Fan Guard	8%	8%	8%	N/A	N/A	N/A
			841 PLUS® Modifications	\$11,620	\$12,290	\$13,238	N/A	N/A	N/A
13B	M-24 M-25	(1)	Enclosure - WPIL	\$15,365	\$17,606	\$26,408	N/A	\$41,815	\$52,230
			- Air Filters (Std.)	\$2,507	\$2,507	\$2,507	\$2,507	\$2,507	\$2,507
			- Air Press. Diff. Switch	\$1,676	\$1,676	\$1,676	\$1,676	\$1,676	\$1,676
			- Air Temp. Sensor	\$1,897	\$1,897	\$1,897	\$1,897	\$1,897	\$1,897
14	M-28	(3)	Export Boxing	3% But Not Less Than \$150 Net					
15	M-29	(1)	Frequency - 50Hz	Add 10% to Base 60Hz List to Keep STD S.F.					
16	M-29		Ground Pad	\$441	\$441	\$441	\$441	\$441	\$441
			- Hazardous Location	\$549	\$549	\$549	N/A	N/A	N/A
18	M-32		Insulation - Class H	\$1,855	\$2,356	\$3,031	\$4,914	\$5,859	\$6,359
			- EVERSEAL®† WPI, WPIL / TEFC	5/2.5%	5/3%	5/3%	N/A / 5%	5% / N/A	5% / N/A
			- Abrasion Resistant	1%	1%	1%	1%	1%	1%
			- Insulife VPI 2000	3%	3%	3%	N/A	N/A	N/A
19	M-35		Inverter Duty	Premium Efficiency Base List Add 5%					
23	M-37		Nameplate - Special	\$340	\$340	\$340	\$340	\$340	\$340
			Rotation Arrow	\$47	\$47	\$47	\$47	\$47	\$47

**NOTE:** This is a condensed version of the complete modification section used to qualify the availability of these options.

(1) Will likely change performance characteristics and/or frame size of certain product.

(2) Refer to main Mod Section for details.

(3) Extends Delivery.



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**TITAN®**

ITEM	PG.	NOTE	DESCRIPTION	FRAME SIZE LIST PRICE ADDER					
				449	5000	5800	6812 (TE)	6800-8000	9600
26	M-40	(2)	Oil Sump Heater - STD	\$2,202	\$2,202	\$2,495	\$2,789	\$2,934	\$3,110
29	M-42		Paint - Special	\$1,878	\$1,878	\$3,756	\$5,634	\$5,634	\$5,634
34	M-47	(1)	Rotor - Copper Bar - 4 Pole	\$32,277	\$32,277	\$35,211	\$37,559	\$39,906	\$42,254
35	M-48		Stainless Steel Screens	\$1,761	\$1,761	\$1,761	N/A	\$2,200	\$2,495
36	M-48		Seals - Shaft Slinger	\$469	\$469	\$469	\$469	\$469	\$469
			- Lip Seal	\$469	N/A	N/A	N/A	N/A	N/A
			- INPRO/SEAL®†	\$1,937	\$3,815	\$3,815	\$3,815	\$3,815	\$3,815
			- INPRO/SEAL®†-MGS	\$5,811	\$11,445	\$11,445	\$11,445	\$11,445	\$11,445
37	M-49	(1)	Service Factor	\$4,432	5%	5%	6%	6%	6%
38	M-50	(2)	Shaft Ground Ring - AEGIS®† SGR®†	\$1,937	\$3,815	\$3,815	\$3,815	\$3,815	\$3,815
			INPRO/SEAL®† CDR®†	\$1,937	\$3,815	\$3,815	\$3,815	\$3,815	\$3,815
40	M-51	(4)	Space Heater - WPI/TEFC	\$1,657	\$1,657	\$1,819	\$2,789	\$2,789	\$2,789
			- Hazardous Location	\$3,317	\$3,317	\$3,638	\$5,575	\$5,575	\$5,575
42	M-53		Stainless Steel Hardware	\$547	\$547	\$547	\$573	\$735	\$735
44	M-59		Bushing - Steady	\$523	\$523	\$523	\$523	\$2,202	\$2,202
45	M-62		Surge Protection - 460V	\$8,554	\$8,554	\$8,554	\$8,554	\$8,554	\$8,554
			- 2300V	\$21,568	\$21,568	\$21,568	\$21,568	\$21,568	\$21,568
			- 4160V	\$28,317	\$28,317	\$28,317	\$28,317	\$28,317	\$28,317
			- 6600V	\$36,796	\$36,796	\$36,796	\$36,796	\$36,796	\$36,796
46	M-64	(1),(2)	Temp Rise - Class B @ 1.15 S.F.	\$5,664	12%	12%	12%	12%	12%
48	M-66	(3)	Testing - S.C.T.	\$235	\$235	\$235	\$235	\$235	\$235
			- Witnessed S.C.T.	\$675	\$675	\$1,000	\$1,350	\$1,350	\$1,350
			- Complete Initial Test	\$8,350	\$8,350	\$8,350	\$11,700	\$11,700	\$11,700
			- Witnessed C.I.T.	\$16,700	\$16,700	\$16,700	\$23,350	\$23,350	\$23,350
			- Noise	\$2,347	\$2,347	\$3,852	\$4,270	\$4,270	\$5,129
			- Witnessed Noise	\$3,521	\$3,521	\$6,406	\$6,406	\$6,406	\$7,981
49	M-69		- Bearing Thermocouple	\$590 One Bearing / \$1,180 Two Bearings					
			- Bearing Temp. Switch	\$590 One Bearing / \$1,180 Two Bearings					
			- Bearing Temp. Indicator	\$1,340 One Bearing / \$2,680 Two Bearings					
			- Bearing Stem Type Thermometer	\$1,340 One Bearing / \$2,680 Two Bearings					
			- Bearing RTD 10 or 120 ohm	\$1,340 One Bearing / \$2,680 Two Bearings					
			- Bearing RTD 100 ohm - Std.	\$2,150 One Bearing / \$4,300 Two Bearings					
49B	M-70 M-71 M-72 M-73		Winding Thermostats	\$408	\$408	\$725	\$725	\$725	\$725
			Winding Thermistors (No Control)	\$1,303	\$1,303	\$1,303	\$1,303	\$1,303	\$1,303
			THERMA SENTRY® SMSE	\$1,755	\$1,755	\$1,755	\$1,755	\$1,755	\$1,755
			THERMA SENTRY® MMSE	\$2,880	\$2,880	\$2,880	\$2,880	\$2,880	\$2,880
			Winding Thermocouple	\$3,440	\$3,440	\$3,440	\$3,440	\$3,440	\$3,440
			Winding RTD 10 or 120 ohm	\$3,440	\$3,440	\$3,440	\$3,440	\$3,440	\$3,440
			Winding RTD 100 ohm - Std.	\$5,165	\$5,165	\$5,165	\$5,165	\$5,165	\$5,165
50	M-74 M-75		Special Mounting Tolerance	\$3,521	\$3,521	\$4,401	\$5,282	\$7,512	\$7,512
			- API-610 Tolerance	\$4,695	\$4,695	\$5,869	\$7,042	\$9,977	\$9,977

**NOTE:** This is a condensed version of the complete modification section used to qualify the availability of these options.

(1) This option will likely change performance characteristics and/or frame size of certain products.

(2) Refer to main Mod. Section for detailed explanation or proper price application.

(3) Extends Delivery.



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